

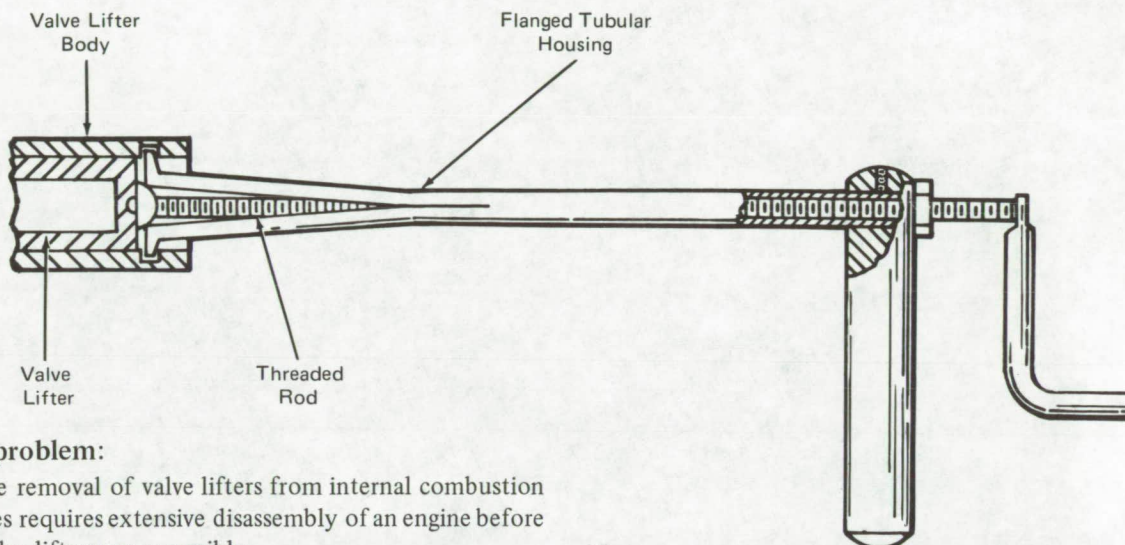
# NASA TECH BRIEF

## Marshall Space Flight Center



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### Hydraulic Valve Lifter Remover



#### The problem:

The removal of valve lifters from internal combustion engines requires extensive disassembly of an engine before the valve lifters are accessible.

#### The solution:

A valve lifter removal tool has been developed which, in most instances, can remove the valve lifter after removal of only the valve covers and push rods.

#### How it's done:

The removal tool is a threaded rod mounted in a tubular housing which is flanged and expandable at one end. The flange is designed to engage an internal groove in the valve lifter body. The tool is inserted into the valve lifter and aligned with the internal groove in the valve lifter body. The handle is then rotated counter-clockwise, spreading the housing so as to engage the groove. The valve lifter is then removed by removing the tool from the push rod hole.

#### Note:

Requests for further information may be directed to:

Technology Utilization Officer  
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Reference: B72-10110

#### Patent status:

Inquiries about obtaining rights for the commercial use of this invention may be made to NASA, Code GP, Washington, D.C. 20546.

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